

Amendments to the Claims:

1. (once amended) A fired ceramic moulded body, made of a composition which comprises at least one purely magnesitic component and at least one component containing CaO, all in a grain size < 8 mm, and which composition has the following oxidic analysis:

- a) 50 to 90 % by weight MgO,
- b) 8 to 40 % by weight CaO,
- c) 1 to 8 % by weight Fe_2O_3 ,
- d) up to 10 % by weight others,

the sum total of a) to d) being 100 % by weight, providing, after firing the moulded body having a test value $T_{0.5}$ according to DIN EN 993-8 (1997) of between 1,400 and 1,700 °C, and comprising dicalciumferrite.

2. (currently amended) Moulded body according to claim 2 with a ~~raw~~ density of > 3 g/cm³.
3. (previously presented) Moulded body according to claim 1 with an open porosity of < 14 % by volume.
4. (previously presented) Moulded body according to claim 1 in which the purely magnesitic component has a degree of purity of > 90 % by weight MgO.

5. (currently amended) Process for the production of a fired ceramic, Fe_2O_3 comprising moulded body, with a test value $T_{m,3}$ $T_{0.5}$ according to DIN EN 993-8 (1997) of between 1400 °C and 1700 °C, the process comprising:

forming a moulded body using according to which a composition is used; comprising at least one purely magnesitic component and at least one component containing CaO, all in a grain size of < 8 mm and which composition has the following oxidic analysis:

- a) 50 to 90 % by weight of MgO,
- b) 8 to 40 % by weight of CaO,
- c) 1 to 8 % by weight of Fe_2O_3 ,
- d) up to 10 % by weight others.

the total sum of a) to d) being 100 %, and

firing the composition at a temperature > 1400° C, which firing forms forming
dicalciumferrite as a secondary phase after firing at a temperature > 1400° C.

6. (previously presented) Process according to claim 5 in which at least one CaO-containing component of the composition has a grain size of > 2 mm.

7. (previously presented) Process according to claim 5 in which at least one CaO-containing component of the composition has a grain size of < 5 mm.

8. (currently amended) Process according to claim 5 in which the ~~MgO-containing~~ purely magnesitic component of the composition ~~with~~ has a degree of purity of > 90 % by weight ~~has~~ and a grain size of < 5 mm.

9. (currently amended) Process according to claim 5 in which the ~~MgO-containing~~ purely magnesitic component of the composition ~~with~~ has a degree of purity of > 90 % by weight ~~has~~ and a grain size of < 2 mm.

10. (currently amended) Process according to claim 5 in which the ~~MgO-containing~~ purely magnesitic component of the composition ~~with~~ has a degree of purity of > 90 % by weight ~~has~~ and a grain size of < 0.3 mm.

11. (currently amended) Process according to claim 5 in which the mean grain size (d_{50}) of the CaO-containing component of the composition is greater than the mean grain size (d_{50}) of the ~~MgO-containing~~ purely magnesitic component of the composition ~~with a degree of purity > 90 %~~ by weight.

12. (currently amended) Process according to claim 5 in which the grain size (d_{95}) of the CaO-containing component of the composition is greater than the grain size (d_{95}) of the ~~MgO-~~ containing purely magnesitic component of the composition ~~with a degree of purity of > 90 %~~ by weight.

13. (previously presented) Process according to claim 5 in which at least one CaO-containing component of the composition has a grain size of < 1 mm.
14. (previously presented) Process according to claim 5 in which at least one CaO-containing component of the composition has a grain size of < 0.3 mm.
15. (previously presented) Process according to claim 5 with a Fe_2O_3 content of the composition of > 1.5 % by weight.
16. (previously presented) Process according to claim 5 with a Fe_2O_3 content of the composition of > 2 % by weight.
17. (previously presented) Process according to claim 5 with a proportion of an MgO-CaO fused grain component in the composition.
18. (previously presented) Process according to claim 5 in which the oxidic analysis of the composition exhibits at least one of the following oxides: MnO , TiO_2 , ZrO_2 , SiO_2 .
19. (previously presented) Process according to claim 5, in which the purely magnesitic component has a degree of purity of > 90 % by weight.

20. (currently amended) Process according to claim 5, comprising Use of a moulded body
according to claim 1 for lining of a rotary kiln using the moulded body.